

**From:** Cynthia Metzger/ESC/R3/USEPA/US  
**Sent:** 12/19/2011 3:50:42 PM  
**To:** John Krakowiak/R3/USEPA/US@EPA  
**CC:** Caporale.Cynthia@epamail.epa.gov; Jennifer Gundersen/ESC/R3/USEPA/US@EPA  
**Subject:** Fw: next anticipated set of samples for northeast PA HF study

John - Jennie provided preliminary results to ORD on Friday, 12/16. She did not detect any compounds in any of the samples submitted, including the three samples from Dimock area wells. She is currently completing the report. Do you want a copy of the report when it is completed?

I think that ORD probably already has the data from the Region 8 lab for these three samples. Robert Ludwig is the contact. Do you want us to follow up with him or Region 8?

We do not have information on what, if anything, the Ada ORD lab is doing.

Also note that ORD is planning to sample in the same general area (NE PA) in April.

Let us know if you have any other questions.

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----- Forwarded by Cynthia Metzger/ESC/R3/USEPA/US on 12/19/2011 03:40 PM -----

**From:** Jennifer Gundersen/ESC/R3/USEPA/US  
**To:** Cynthia Metzger/ESC/R3/USEPA/US@EPA, Cynthia Caporale/ESC/R3/USEPA/US@EPA  
**Date:** 12/19/2011 03:34 PM  
**Subject:** Fw: Re: next anticipated set of samples for northeast PA HF study

-----Forwarded by Jennifer Gundersen/ESC/R3/USEPA/US on 12/19/2011 03:34PM -----

**To:** Ralph Ludwig/ADA/USEPA/US@EPA  
**From:** Jennifer Gundersen/ESC/R3/USEPA/US  
**Date:** 12/16/2011 04:47PM  
**Subject:** Re: next anticipated set of samples for northeast PA HF study

Hi Ralph

Thanks for the update. Hopefully in the off-season I'll have time to refine the method a bit more and maybe work on an ethylene glycol method that Rick Wilkin is interested in.

I did a very preliminary review of the data and it looks good QC-wise: initial cal, continuing cal, matrix spike recoveries etc. The NQLs are expected to be 5ppb for 2 butoxyethanol and 25ppb for di-, tri- and tetraethylene glycol. I did not detect any target compounds above the NQL in any of the samples for WO 1110030, North East PA, Hydraulic Fracturing study.

Disclaimer: Please note that these results may change pending peer review.  
I hope to have the report in peer review next week. Please contact me if you have any questions.

~Jennie

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-----Ralph Ludwig/ADA/USEPA/US wrote: -----

To: Jennifer Gundersen/ESC/R3/USEPA/US@EPA, Kevin Martin/ESC/R3/USEPA/US@EPA  
From: Ralph Ludwig/ADA/USEPA/US  
Date: 12/16/2011 10:00AM  
Subject: next anticipated set of samples for northeast PA HF study

Hi Jennifer/Kevin,

Just wanted to let you know for planning purposes that I anticipate submitting my next set of samples for the northeast PA HF study in early April. I anticipate submitting up to 40 samples at that time. Let me know if you have any issues/concerns.

Thanks.

Ralph

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